

WHAT IS CLAIMED IS:

1. An organopolysiloxane polymer having a glycerol derivative which can swell up by containing at least its own weight of a liquid oil.

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2. The organopolysiloxane polymer according to Claim 1, obtained by the addition polymerization of the organohydrogen polysiloxane expressed by the following general formula (a1) and/or following general formula (a2), with one or more compounds 10 selected from a group comprising the glycerol derivative having an alkenyl group expressed by the following general formula (b1), the organopolysiloxane having an alkenyl group expressed by the following general formula (b2), and the hydrocarbon having an alkenyl group expressed by the following general formula (b3), 15 wherein the ingredients expressed by the aforesaid general formula (a1) or (b1) are essential ingredients.

(a1): $R^1_a R^2_b H_c SiO_{(4-a-b-c)}$

(a2): $R^1_d H_e SiO_{(4-d-e)/2}$

20 (b1): $R^3_f G$

(b2): $R^1_p R^3_q SiO_{(4-p-q)/2}$

(b3): $R^3 (CH_2)_r R^3$

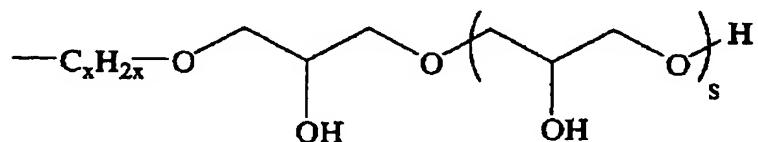
wherein, R^1 in the formulae may be identical or different, R^1 25 is a substituted or unsubstituted monovalent hydrocarbon group having 1-30 carbon atoms which does not contain an alkenyl group, R^2 is a monovalent group having a glycerol derivative G, R^3 is an alkenyl group having 2-20 carbon atoms, a, b, c, d, e, p and q are respectively defined by :

$1.0 \leq a \leq 2.3$, $0.001 \leq b \leq 1.0$, $0.001 \leq c \leq 1.0$, $1.0 \leq d \leq 2.3$, $0.001 \leq e \leq 1.0$, $1.0 \leq p \leq 2.3$, $0.001 \leq q \leq 1.0$, and $1.5 \leq a+b+c \leq 2.6$, $1.5 \leq d+e \leq 2.6$, $1.5 \leq p+q \leq 2.6$, f is an integer from 2-10, and r is an integer from 0-20.

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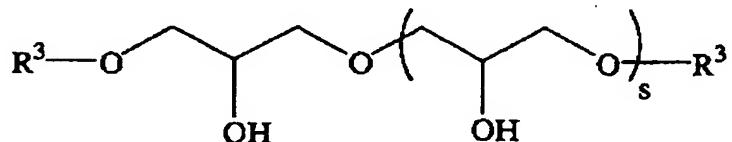
3. The organopolysiloxane polymer according to Claim 2, wherein R^2 in the formula (a1) is represented by the following general formula, x is an integer from 2-20 and s is an integer from 1-20:

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4. The organopolysiloxane polymer according to Claim 2 or 3, wherein (b1) is expressed by the following general formula, and s is an integer from 1-20:

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and comprising said ingredient together with the glycerol derivative b(1) having an alkenyl group and/or the organopolysiloxane b(2) having an alkenyl group.

6. The organopolysiloxane polymer according to any of Claims
1-4, comprising said organohydrogenpolysiloxane a(2) and
25 glycerol derivative b(1) having an alkenyl group.

7. A pasty composition formed by containing a liquid oil in an organopolysiloxane having a glycerol derivative according to any of Claims 1-6 so that it swells up.

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8. The pasty composition according to Claim 7, wherein said liquid oil is one or more liquid oils selected from among a group comprising silicone oils, hydrocarbon oils, ester oils, natural animal and vegetable oils and semi-synthetic oils.

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9. A composition formed by adding one or more acidic substances selected from a group comprising organic acids, inorganic acids and inorganic acid salts to one or more polymers selected from among a group comprising the organopolysiloxane polymer having a glycerol derivative according to any of Claims 1-6 or pasty composition selected from Claim 7 or 8, adding a basic neutralizing agent so that the pH is 5-8, and then removing volatile ingredients by heating and/or reducing pressure.

20 10. The composition according to Claim 9, wherein the salt produced from said acidic substance and said basic neutralizing agent has a buffer action.

11. The composition according to Claim 9 or 10, wherein said acidic substance is one or more compounds selected from among a group comprising citric acid, lactic acid, malic acid, glutamic acid, oxalic acid, acetic acid, glycine, succinic acid and calcium dihydrogen phosphate, and said basic neutralising agent is one or more agents selected from among a group comprising sodium

carbonate, sodium hydrogen carbonate, sodium hydroxide, potassium hydroxide, di-sodium hydrogen phosphate and sodium acetate.

5 12. The composition according to any of Claims 9 to 11, wherein
the proportion of said acidic substance and said basic
neutralising agent relative to 100 weight parts of said
organopolysiloxane polymer is 0.01-10 weight parts, and to obtain
said composition, the volatile ingredient is removed by heating
10 to 20-150°C after adding said acidic substance, and further
heating to 20-150°C and/or reducing pressure after adding said
basic neutralising agent.

13. A cosmetic material formed by blending one or more polymers
15 selected from among a group comprising the polymers according
to any of Claims 1 to 6, or pasty composition selected from Claim
7 or 8 or composition selected from Claims 9 to 11, as ingredient
A).

20 14. The cosmetic material according to Claim 13, further
comprising an oil as ingredient B).

15. The cosmetic material according to Claim 13 or 14, further
comprising water as ingredient C).

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16. The cosmetic material according to any of Claims 13 to
15, further comprising a compound having an alcoholic hydroxyl
group in the molecular structure as ingredient D).

17. The cosmetic material according to any of Claims 13 to 16, further comprising a water-soluble or water-swelling polymer as ingredient E).

5 18. The cosmetic material according to any of Claims 13 to 17, further comprising a powder and/or colorant as ingredient F).

10 19. The cosmetic material according to Claim 18, wherein at least part of the powder and/or colorant which is ingredient F) is a powder selected from a crosslinked spherical dimethyl polysiloxane fine powder having a crosslinked dimethyl polysiloxane structure, a crosslinked spherical polymethyl silsesquioxane fine powder, and a fine powder formed by coating 15 the surface of crosslinked spherical polysiloxane rubber particles with polymethylsilsesquioxane particles.

20 20. The cosmetic material according to any of Claims 13 to 19, further comprising a surfactant as ingredient G).

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21. The cosmetic material according to Claim 20, wherein the surfactant of said ingredient G) is a straight-chain or branched organopolysiloxane having a polyglycerol chain in the molecule, or an alkyl co-modified organopolysiloxane.

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22. The cosmetic material according to claim 20 or 21, wherein the HLB of said ingredient G) is 2-8.

23. The cosmetic material according to any of Claims 13-22,

further containing a composition comprising a hydrophobic crosslinked organopolysiloxane polymer and a liquid oil as ingredient H).

5 24. The cosmetic material according to any of Claims 13-23, further comprising a silicone resin as ingredient I).

25. The cosmetic material according to claim 24, wherein the silicone resin of ingredient I) is an acrylic silicone resin.

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26. The cosmetic material according to Claim 24 or 25, wherein the silicone resin of ingredient I) is an acrylic silicone resin containing one or more organic groups selected from among pyrrolidone, long-chain alkyl, polyoxyalkylene, fluoroalkyl and 15 anionic carboxylic groups in the molecule.

27. The cosmetic material according to Claim 24, wherein said ingredient I) is one or more types of silicone resin selected from among a group comprising silicone resins formed from $R^1_3SiO_{0.5}$ 20 units and SiO_2 units, silicone resins formed from $R^1_3SiO_{0.5}$ units, R^1_2SiO units and SiO_2 units, silicone resins formed from $R^1_3SiO_{0.5}$ units and $R^1SiO_{1.5}$ units, silicone resins formed from $R^1_3SiO_{0.5}$ units, R^1_2SiO units and $R^1SiO_{1.5}$ units, and silicone resins formed from $R^1_3SiO_{0.5}$ units, R^1_2SiO units, $R^1SiO_{1.5}$ units and SiO_2 units.

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28. The cosmetic material according to any of Claims 24-27, wherein said ingredient I) is a silicone resin containing one or more organic groups selected from among pyrrolidone, long-chain alkyl, polyoxyalkylene, fluoroalkyl and amino in the molecule.

29. A skin care cosmetic material containing the cosmetic material according to any of Claims 13-28.

5 30. A makeup cosmetic material containing the cosmetic material according to any of Claims 13-28.

31. A hair treatment cosmetic material containing the cosmetic material according to any of Claims 13-28.

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32. An antiperspirant cosmetic material containing the cosmetic material according to any of Claims 13-28.

15 33. An ultraviolet protection cosmetic material containing the cosmetic material according to any of Claims 13-28.

34. A cosmetic material containing the cosmetic material according to any of Claims 13-33, said material being in the form of a liquid, emulsion, cream, solid, paste, gel, powder, press,
20 laminate, mousse, spray or stick.